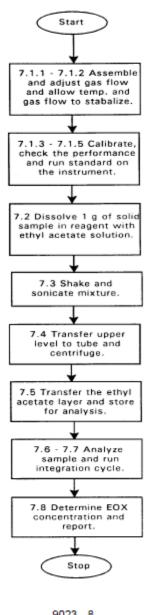
EXTRACTABLE ORGANIC HALIDES (EOX) IN SOLIDS EPA 9023 REVISION 0 1996									
Facility Name:	VELAP ID								
Assessor Name:Analyst Name:		I	nspe	ction Da	nte				
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments				
Records Examined: SOP Number/ Revision/ Date Sample ID: Date of Sample Preparation:				Analyst: Date of Analysis:					
Were method blanks demonstrated to be free from interferences?	3.1								
Was all glassware cleaned with chromate solution, detergent, tap water, and distilled water?	3.1.1								
Was all glassware heated in a muffle furnace at 400°C for 15-30 minutes?	3.1.1								
Was glassware cooled, sealed, and stored in a clean environment between cleaning and use?	3.1.1								
Were the operations of this method carried out in an area where methylene chloride was not used?	3.3								
Were all reagents of sufficient purity to prevent interferences and preserve accuracy?	5.1								
Was a 70% Acetic Acid Solution used?	5.7								
Were all samples iced or refrigerated at 4°C from collection until analysis?	6.2 6.3								
Did sample bottles have PTFE septa and protect samples from light? (Foil may be substituted for Septa)	6.3								
Were samples washed and muffled at 400°C prior to use?	6.3								
Were sample bottles filled so as to minimize headspace?	6.3								
Were samples stored for not longer than 28 days prior to analysis?	6.3								
When analysis was conducted on the TSS of samples, were the solids isolated by centrifugation and analyzed immediately?	6.4								
Notes/Comments:									

EXTRACTABLE ORGANIC HALIDES (EOX) IN SOLIDS **EPA 9023 REVISION 0 1996** Method Υ Ν N/A **Comments Relevant Aspect of Standards** Reference When analysis was conducted on the TSS of samples, were the dry weights of separate portions of wet solids 6.4 determined by drying them overnight at 110°C? Were instruments calibrated according to manufacturers' 7.1 instructions? Were 1 gram aliquots of solid samples transferred to a 10 mL vial, and have 5 mL of ethyl acetate and 1 mL of 7.2 reagent water added to them? Were the 10 mL vials then shaken vigorously for thirty 7.3 seconds? Were 10 mL vials either sonified for 15 minutes in a sonic 7.3 bath or for 5 minutes with a sonic probe? Were the suspension next allowed to settle for 10 minutes and the ethyl acetate layers transferred to 7.4 conical centrifuge tubes? Were the centrifuge tubes centrifuged at 1000 times 7.4 gravity for five minutes? Were ethyl acetate layers then transferred to clean 10 7.5 mL sample containers and stored at 4°C until analysis? Were data reported in micrograms/gram? 7.9 Were data labeled as suspect when associated spike 7.10 recoveries fell outside of acceptance limits? When sample dilutions were necessary, were ethyl acetate aliquots diluted by carrying them through the 7.11 entire preparation process again? Did the laboratory operate a formal quality control 8.1 program? Notes/Comments:

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Accuracy and Precision Demonstration					
Did each analyst demonstrate his/her ability to generate acceptable data with this method prior to generating reportable data?	8.2				
Were six 1 gram soil samples spiked with a check standard and analyzed with this method?	8.2.2				
Were soil background corrections made on the six spiked soil replicates?	8.2.3				
Were the average percent recovery and standard deviation of the percent recovery of the six replicates calculated?	8.2.3				
Was the check standard used to spike the six soil samples analyzed repeatedly to compile acceptance limits?	8.2.4				
Did the average percent recovery and each individual recovery of the six replicates fall within 3 standard deviations of the above acceptance limits?	8.2.4				
Were samples that were run in association with the accuracy and precision demonstration flagged if the demonstration of accuracy and precision was not acceptable?	8.2.4				
Quality Control					
Were MDLs analyses done for this method?	9.1				
Was the analytical system demonstrated to be free from interferences each day by the analysis of uncontaminated soil?	8.4				
Were LFM/LFMD samples carried through all preparation and analysis and done for 5% of samples?	8.3				
Notes/Comments:					

METHOD 9023

EXTRACTABLE ORGANIC HALIDES (EOX) IN SOLIDS



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